

Application No. (if known): 10/691,355

Attorney Docket No.: 08223/0200098-US0

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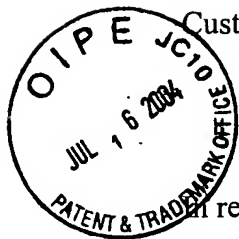
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Information Disclosure Statement (4 pages)  
PTO SB/08 (3 pages)  
23 Documents  
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Customer No.: 07278

Docket No.: 08223/0200098-US0

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re application of:

Thomás E. Palmer

Serial No.: 10/691,355

Filed: October 21, 2003

For: SYSTEM AND METHOD FOR N-DIMENSIONAL ENCRYPTION

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July 16, 2004

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed: (Check one of the boxes A-D)

- ☐ A. Within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.
- ☒ B. before the mailing date of a first office action on the merits, or a first office action after filing a request for continued examination.
- ☐ C. after (A) and (B) above, but before the mailing date of a final rejection, a notice of allowance, or any other action that closes prosecution, and Applicants have made

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the necessary statement in box "i" below or paid the necessary fee in box "ii" below.

(check one of the boxes "i" and "ii" below:)

- ☐ i. Counsel states that, upon information and belief, each item of information listed herein was either (a) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
- ☐ ii. A check for the fee set forth in 1. 17(p), presently believed to be \$180, is enclosed.
- ☐ D. after (A), (B) and (C) above, but before payment of the issue fee: Counsel states that, upon information and belief, each item of information listed herein was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS; or (ii) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
- ☐ i. A check for the fee set forth in 1.17 (p), presently believed to be \$180, is enclosed.

2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO/SB/08) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A, B and/or C and fill in blanks, if appropriate.).

- ☒ A. Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 C.F.R. § 1.98(a)(2)(i), a copy/copies of the United States Patent on PTO/SB08 is/are not being submitted.
- ☐ B. Document(s) \_\_\_\_\_ is (are) deemed substantially cumulative to document(s) \_\_\_\_\_, and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.
- ☐ C. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:

[SERIAL NO. & FILING DATE].

Applicant identifies these documents by attaching hereto copies of the forms PTO-892 and PTO/SB08 from the files of the prior application(s) or a fresh PTO/SB/08 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application.

☐ 3. Document(s) \_\_\_\_\_ are not in the English language. In accordance with 1.98(c), Applicant states:

- ☐ An English translation of each document (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application is enclosed.
- ☐ A concise explanation of the relevance of document(s) \_\_\_\_\_ is found in the attached search report (see MPEP § 609 A(3)x).
- ☐ A concise explanation of the relevance of document(s) \_\_\_\_\_ is set forth as follows: [Insert concise explanation of relevance]
- ☐ A concise explanation of the relevance of document(s) \_\_\_\_\_ can be found on page(s) \_\_\_\_\_ of the specification.
- ☐ A concise explanation of document(s) \_\_\_\_\_ can be found on the attached sheet.

☐ 4. No explanation of relevance is necessary for documents in the English language (see MPEP § 609 A(3)).

☐ 5. Other information being provided for the examiner's consideration follows: [A/An \_\_\_\_\_ Search Report, dated \_\_\_\_\_, which issued during the prosecution of \_\_\_\_\_ Application No. \_\_\_\_\_ which corresponds to the present application.]

6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless other-wise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

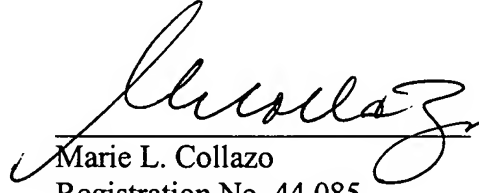
**CROSS REFERENCE UNDER 37 C.F.R. §1.78 TO RELATED APPLICATIONS**

Pursuant to 37 C.F.R. § 1.78, Applicant notes that the above-identified patent application may be related to the following U.S. Patent Applications:

(1) U.S. Patent Application Serial No \_\_\_\_\_, filed \_\_\_\_\_.

Early and favorable consideration is earnestly solicited.

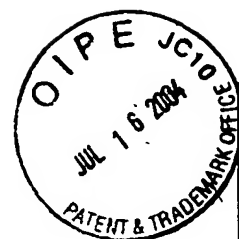
Respectfully submitted,



Marie L. Collazo  
Registration No. 44,085  
Attorney for Applicant(s)

July 16, 2004

DARBY & DARBY P.C.  
805 Third Avenue  
New York, N.Y. 10022  
(212) 527-7700



Substitute for form 1449A/B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

## Complete if Known

Sheet	1	of	3	Application Number	10/691,355
				Filing Date	October 21, 2003
				First Named Inventor	Thomas E. Palmer
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	08223/0200098-US0

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA**	US-5,144,663-B1	09-01-1992	Kudelski et al.	
	BB**	US-5,539,450-B1	07-23-1996	Kudelski et al.	
	CC**	US-5,592,212-B1	01-07-1997	Handelman	
	DD**	US-5,666,412-B1	09-09-1997	Handelman et al.	
	EE**	US-5,774,546-B1	06-30-1998	Handelman et al.	
	FF**	US-5,805,705-B1	09-08-1998	Gray et al.	
	GG**	US-5,892,900-B1	04-06-1999	Ginter et al.	
	HH**	US-5,917,912-B1	06-29-1999	Ginter et al.	
	II**	US-5,920,861-B1	07-06-1999	Hall et al.	
	JJ**	US-5,933,498-B1	08-03-1999	Schneck et al.	
	KK**	US-5,949,876-B1	09-07-1999	Ginter et al.	
	LL**	US-6,009,401-B1	12-28-1999	Horstmann	
	MM**	US-6,021,197-B1	02-01-2000	von Willich et al.	
	NN**	US-6,049,671-B1	04-11-2000	Slivka et al.	
	OO**	US-6,073,256-B1	06-06-2000	Sesma	
	PP**	US-6,157,721-B1	12-05-2000	Shear et al.	
	QQ**	US-6,185,683-B1	02-06-2001	Ginter et al.	
	RR**	US-6,247,950-B1	06-19-2001	Hallam et al.	
	SS**	US-6,256,668-B1	07-03-2001	Slivka et al.	
	TT**	US-6,285,985-B1	09-04-2001	Horstmann	
	UU**	US-6,314,409-B2	11-06-2001	Schneck et al.	
	VV**	US-6,389,402-B1	05-14-2002	Ginter et al.	
	WW**	US-6,405,369-B1	06-11-2002	Tsuria	
	XX**	US-6,466,670-B1	10-15-2002	Tsuria et al.	
	YY**	US-6,587,561-B1	07-01-2003	Sered et al.	
	ZZ**	US-6,634,028-B2	10-14-2003	Handelmann	
	AA1**	US-6,654,420-B1	11-25-2003	Snook	
	BB1**	US-4,694,489-B1	09-15-1987	Frederiksen	
	CC1**	US-5,684,876-B1	11-04-1997	Pinder, et al.	
	DD1**	US-5,878,134-B1	03-02-1999	Handelman, et al.	
	EE1**	US-6,035,037-B1	03-07-2000	Chaney	
	FF1**	US-6,226,794-B1	05-01-2001	Anderson Jr., et al.	
	GG1**	US-6,449,719-B1	09-10-2002	Baker	
	HH1**	US-2003/0007568-A1	01-09-2003	Hamery, et al.	
	II1**	US-6,459,427-B1	10-01-2002	Mao, et al.	
	JJ1**	US-6,314,572-B1	11-06-2001	LaRocca, et al.	
	KK1**	US-6,191,782-B1	02-20-2001	Mori, et al.	
	LL1**	US-6,009,116-B1	12-28-1999	Bednarek, et al.	
	MM1**	US-5,758,257-B1	05-26-1998	Herz, et al.	
	NN1**	US-5,621,799-B1	04-15-1997	Katta, et al.	
	OO1**	US-6,654,423-B2	11-25-2003	Jeong et al.	
	PP1**	US-6,651,170-B1	11-18-2003	Rix	
	QQ1**	US-6,629,243-B1	09-30-2003	Kleinman et al.	
	RR1**	US-6,505,299-B1	01-07-2003	Zeng et al.	
	SS1**	US-6,409,089-B1	06-25-2002	Eskicioglu	
	TT1**	US-6,409,080-B2	06-25-2002	Kawagishi	
	UU1**	US-6,334,213-B1	12-25-2001	Li	

Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/691,355	
			Filing Date	October 21, 2003	
			First Named Inventor	Thomas E. Palmer	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	2	of	3	Attorney Docket Number	08223/0200098-US0

	VV1**	US-6,298,441-B1	10-02-2001	Handelmann et al.	
	WW1**	US-6,272,636-B1	08-07-2001	Neville et al.	
	XX1**	US-6,253,193-B1	06-26-2001	Ginter et al.	
	YY1**	US-6,189,097-B1	02-13-2001	Tycksen, Jr. et al.	
	ZZ1**	US-6,178,242-B1	01-23-2001	Tsuria	
	AA2**	US-6,112,181-B1	08-29-2000	Shear et al.	
	BB2**	US-6,055,503-B1	04-25-2000	Horstmann	
	CC2**	US-6,038,433-B1	03-14-2000	Vegt	
	DD2**	US-6,009,525-B1	12-28-1999	Horstmann	
	EE2**	US-5,982,891-B1	11-09-1999	Ginter et al.	
	FF2**	US-5,939,975-B1	08-17-1999	Tsuria et al.	
	GG2**	US-5,923,666-B1	07-13-1999	Gledhill et al.	
	HH2**	US-5,920,625-B1	07-06-1999	Davies	
	II2**	US-5,915,019-B1	06-22-1999	Ginter et al.	
	JJ2**	US-5,883,957-B1	03-16-1999	Moline et al.	
	KK2**	US-5,799,089-B1	08-25-1998	Kuhn et al.	
	LL2**	US-5,774,527-B1	06-30-1998	Handelman et al.	
	MM2**	US-5,640,546-B1	06-17-1997	Gopinath et al.	
	NN2**	US-5,590,200-B1	12-31-1996	Nachman et al.	
	OO2**	US-5,375,168-B1	12-20-1994	Kudelski	
	PP2**	US-5,134,656-B1	07-28-1992	Kudelski	
	QQ2**	US-5,067,035-B1	11-19-1991	Kudelski et al.	
	RR2**	US-6,219,421-B1	04-17-2001	Backal	

\*\* Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 C.F.R. § 1.98(a)(2)(i), a copy/copies of the United States Patent on PTO/SB08 is/are not being submitted.

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	1	WO-WO 99/30499-A1	06-17-1999	Thomson Consumer Electronics, Inc.		
	2	EP-EP714204-A1	05-29-1996	LG Electronics, Inc.		
	3	WO-WO96/32702-A1	10-17-1996	Smart TV Co.		
	4	WO-WO99/54453-A1	10-28-1999	Henriksen, et al.		
	5	WO-WO96/06504-A1	02-29-1996	Chaney, et al.		
	6	EP-EP658054-A1	06-14-1995	News Datacom Ltd.		
	7	WO-WO 01/35571-A2	05-17-2001	Widvine Technologies, Inc.		
	8	WO-WO 02/21761-A2	03-14-2002	Widvine Technologies, Inc.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\*CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	9	<a href="http://www.ntt.co.jp/news/news02e/0209/020927.html">http://www.ntt.co.jp/news/news02e/0209/020927.html</a> , September 27, 2002.	

Examiner Signature	Date Considered
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
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			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	3	of	3	Attorney Docket Number	08223/0200098-US0

11	Video Protection by Partial Content Corruption, C. Griwodz, September 1998.	
12	An Overview of Multimedia Content Protection in Consumer Electronics Devices, Eskicioglu et al.,	
13	Performance Study of a Selective Encryption Scheme for the Security of Networked, Real-Time Video, Spanos et al., 1995.	
14	Goonatilake, Suran, ed. et al., Intelligent Systems for Finance and Business, 1995, chapters 2-10, pp. 31-173.	
15	Irdeto Access and Optibase create Strategic Alliance - 14 December 2000, <a href="http://www.irdetoaccess.com/press/0000041.htm">http://www.irdetoaccess.com/press/0000041.htm</a>	
16	System Security, Streaming Media, S. Blumenfeld, October 2001.	
17	<a href="http://www.cs.unm.edu/~forest/projects.html">http://www.cs.unm.edu/~forest/projects.html</a> , December 2, 2003.	
18	Partial Encryption for Image and Video Communication, H. Cheng, 1998.	
19	A Review of Video Streaming Over the Internet, Hunter et al., December 2, 2003.	
20	Standards Track, Schulzrinne, et al., April 1998, pages 1-86.	
21	<a href="http://www.optibase.com/html/news/December_14_2000.html">http://www.optibase.com/html/news/December_14_2000.html</a> , December 14, 2004.	
22	Omneon Video Networks Product Announcement, Broadband Streaming, pages 1-4.	
23	Yoshida, Kazuhiro, et al., "A Continuous-media Communication Method for Minimizing Playback Interruptions", IS&T/SPIE Conference on Visual Communications and Image Processing, January 1999, San Jose, California, Vol. 3653.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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